

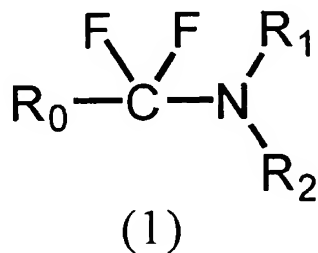
AMENDMENTS TO THE CLAIMS:

The following listing of claims replaces all prior listings, and all prior versions, of claims in the application.

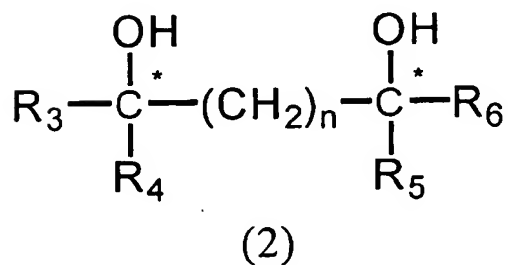
LISTING OF CLAIMS:

[1] (Original) A process for producing an optically active fluoro compound represented by formula (3) characterized in that the process comprises reacting a fluoroamine represented by formula (1) with an optically active diol represented by formula (2):

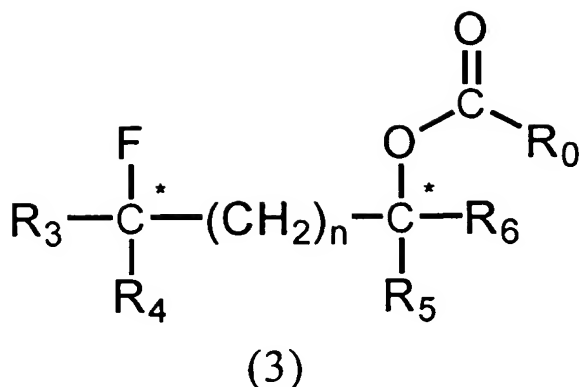
[F1]



[F2]



[F3]



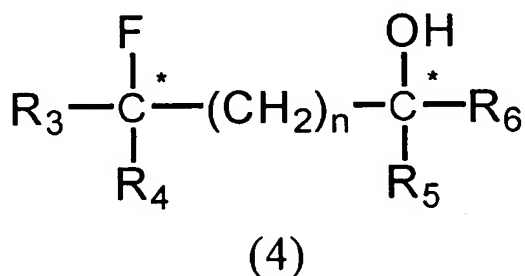
(wherein each of R_0 , R_1 and R_2 , which may be identical to or different from one another, represents a hydrogen atom, or an alkyl group or aryl group which may have a substituent; and two or more groups of R_0 , R_1 and R_2 may be linked to form a ring structure; each of R_3 , R_4 , R_5 and R_6 represents a hydrogen atom, or an alkyl group or aryl group which may have a substituent; R_3 and R_4 are different from each other; R_5 and R_6 are different from each other; the carbon atom to which R_3 and R_4 are bound is an asymmetric carbon atom; the carbon atom to which R_4 and R_5 are bound is an asymmetric carbon atom; and n is an integer of 0 to 3).

[2] (Original) A process for producing an optically active fluoro compound as described in claim 1, wherein R_0 of the fluoroamine represented by formula (1) is a 3-methylphenyl group or a 2-methoxyphenyl group, and each of R_1 and R_2 of the fluoroamine is an ethyl group.

[3] (Currently amended) A process for producing an optically active fluoro compound as described in claim 1-~~or 2~~, wherein the reaction is carried out thermally or under irradiation with at least one of a microwave and~~and/or~~ an electromagnetic wave having a wavelength in the vicinity of a microwave region.

[4] (Currently amended) A process for producing an optically active fluoroalcohol represented by formula (4) characterized in that the process comprises hydrolyzing an optically active fluoro compound which has been produced through a process as recited in claim 1 ~~any of claims 1 to 3~~:

[F4]



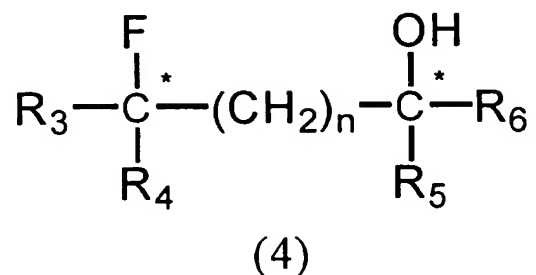
(wherein R₃, R₄, R₅ and R₆ represents a hydrogen atom, or an alkyl group or aryl group which may have a substituent; R₃ and R₄ are different from each other; R₅ and R₆ are different from each other; the carbon atom to which R₃ and R₄ are bound is an asymmetric carbon atom; the carbon atom to which R₅ and R₆ are bound is an asymmetric carbon atom; and n is an integer of 0 to 3).

[5] (New) A process for producing an optically active fluoro compound as described in claim 2, wherein the reaction is carried out thermally or under irradiation with at least one of a microwave and an electromagnetic wave having a wavelength in the vicinity of a microwave region.

[6] (New) A process for producing an optically active fluoroalcohol represented by formula (4) characterized in that the process comprises hydrolyzing

an optically active fluoro compound which has been produced through a process as recited in claim 5:

[F4]



(wherein R₃, R₄, R₅ and R₆ represents a hydrogen atom, or an alkyl group or aryl group which may have a substituent; R₃ and R₄ are different from each other; R₅ and R₆ are different from each other; the carbon atom to which R₃ and R₄ are bound is an asymmetric carbon atom; the carbon atom to which R₅ and R₆ are bound is an asymmetric carbon atom; and n is an integer of 0 to 3).